

LBNL-58838 Abs.

Implementing the Agencourt SprintPrep384 Protocol at JGI

Presenting Author: Steven E. Wilson

Contributing Authors: Paul Richardson, Feng Chen, Jamie Jett, Nancy Hammon, Duane Kubischta, Diana Lawrence

U.S. DOE Joint Genome Institute
2800 Mitchell Drive, Bldg. 100
Walnut Creek, CA 94598
sewilson@lbl.gov
(925) 296-5769

SprintPrep DNA isolation is a process that allows large fragments of DNA and vectors to be isolated from the host E. Coli cell. Agencourt has developed SprintPrep reagents and semi-automated methods for performing the necessary protocol. Last year, JGI implemented a 96 well SprintPrep method. This year, JGI has made the 384 SprintPrep method virtually user-independent.

Moving from the 96 well fosmid isolation method to the 384 well format has led to cost savings due to reagent reductions and a doubling in sequencing throughput. The increase in throughput will lead to an increase in sequencing depth and data confidence.
